



SEQUENCE LISTING

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Sun, Wei

<120> T Cell Receptor CDR3 Sequence and Methods for
Detecting and Treating Rheumatoid Arthritis

<130> D6622

<140> US 10/612,468
<141> 2003-07-02

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in the V(16 family (BV16 gene) of T cell receptors
(TCR) in patients with rheumatoid arthritis (RA)

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patients with RA

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region V(14 of T cell receptors

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Ala Gly Pro Leu Glu Ala Gln Val Thr Gln Asn Pro Arg Tyr Leu
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Ile Thr Val Thr Gly Lys Lys Leu Thr Val Thr Cys Ser Gln Asn
      35      40      45
Met Asn His Glu Tyr Met Ser Trp Tyr Arg Gln Asp Pro Gly Leu
      50      55      60
Gly Leu Arg Gln Ile Tyr Tyr Ser Met Asn Val Glu Val Thr Asp
      65      70      75
Lys Gly Asp Val Pro Glu Gly Tyr Lys Val Ser Arg Lys Glu Lys
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Arg Asn Phe Pro Leu Ile Leu Glu Ser Pro Ser Pro Asn Gln Thr
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Ser Leu Tyr Phe Cys Ala Ser Ser
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Asp Asn Leu Tyr Trp Tyr Arg Arg Val Met Gly Lys Glu Ile Lys
      35      40      45
Phe Leu Leu His Phe Val Lys Glu Ser Lys Gln Asp Glu Ser Gly
      50      55      60
Met Pro Asn Asn Arg Phe Leu Ala Glu Arg Thr Gly Gly Thr Tyr
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Ser Thr Leu Lys Val Gln Pro Ala Glu Leu Glu Asp Ser Gly Val
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Tyr Phe Cys Ala Ser Ser
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PCR analysis

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PCR analysis

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 PCR analysis

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PCR analysis

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<400>      32
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<210> 75
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 Phe Phe Gly Pro Gly
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<210> 76
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 cgggccagga 60

 <210> 77
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 from ST specimen of RA patients

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 5 10 15
 Phe Phe Gly Pro Gly
 20

 <210> 78
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 from ST specimen of RA patients

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 cgggccagga 60

 <210> 79
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 from ST specimen of RA patient

<400> 79
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 Phe Phe Gly Pro Gly
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 Phe Phe Gly Pro Gly
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<210> 82
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 cgggccagga 60

 <210> 83
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 from ST specimen of RA patient

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 5 10 15
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 <210> 84
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 from ST specimen of RA patients

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 cgggccagga 60

 <210> 85
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from ST specimen of RA patient

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<210> 86
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from ST specimen of RA patients

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<210> 87
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Phe Phe Gly Pro Gly
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<210> 93
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Phe Phe Gly Pro Gly
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<210> 98
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cgggccgggc 60

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<210> 100
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 <210> 105
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 <212> PRT
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 from ST specimen of RA patient

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 Gly Gln Gly

<210> 110
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<210> 112
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 from ST specimen of RA patients

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<210> 113
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 from ST specimen of RA patients

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<210> 114
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 <212> DNA

<213> Artificial Sequence

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 from ST specimen of RA patients

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 <210> 116
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 from ST specimen of RA patients

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 from ST specimen of RA patients

<400> 117
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<210> 118
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<210> 120
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<210> 124
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<210> 125
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<400> 125
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Tyr Phe Gly Pro Gly
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from ST specimen of RA patients

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 from ST specimen of RA patients

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 Tyr Phe Gly Pro Gly
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from ST specimen of RA patients

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Leu Gly Ser Gly

<210> 152
<211> 57
<212> DNA
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from ST specimen of RA patients

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<210> 153
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from ST specimen of RA patients

<400> 153
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Gly Gln Gly

<210> 154
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<210> 156
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 from ST specimen of RA patients

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<210> 158
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<210> **159**

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<212> PRT

<213> Homo sapiens

<220>

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<223> CDR3 amino acid sequence of BV14 clonotype derived from ST specimen of RA patients

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<210> 160'

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<210> 162
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from ST specimen of RA patients

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from ST specimen of RA patients

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